

## CLAIMS

1. A slip-preventing device comprising plural sets of arm frames for a tire, each set of the arm frames including a pair of crossing components, an inner side component and a pair of outer side components, each pair of the crossing components being bent closely on the tread of the tire so as to extend to part of an inner sidewall and to part of an outer sidewall, the inner side component connecting bent parts of the pair of crossing components with each other along part of the curved surface of the inner sidewall, each pair of the outer side components extending in the circumferential direction along part of the curved surface of the outer sidewall from bent parts of the pair of the crossing components, each of the arm frames having a link unit at each leading end of the outer side components so as to link detachably with the other arm frame fitted next in the installation on the tire, and the arm frames being linked with each other only by the link unit in the installation on the tire.

2. A slip-preventing device according to claim 1, in which each of the arm frames further has a reinforcing portion which connects bent parts of a pair of the crossing components on the outer side of the tire.

3. A slip-preventing device according to claim 2, in which each of the arm frames further has a free joint unit at the middle position on the inner side of the tire.

4. A slip-preventing device according to claim 3, in which each of the arm frames further has an elastic body fitted on the free joint unit.

5. A slip-preventing device according to claim 1, 2, 3 or 4, comprising two, three or four

sets of arm frames for one tire.

6. A slip-preventing device according to claim 5, comprising three sets of arm frames for one tire.

7. A slip-preventing device according to claim 1, 2, 3, 4, 5 or 6, comprising plural arm frames linked with each other so as to fix movably, and one arm frame being linked detachably with the other arm frame fitted next only with a link unit on the outer side of a tire.